PTO/SB/68 (04-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Office and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Office and Trademark Office; U.S. DEPARTMENT OF COMMERCE

REGUEST FOR ACCESS TO A	N APPLICATION	ON UNDER 37 CF	R 1.14(e)
In r		ation of	
RECEIVED			
1	Application N	Number	Filed
NOV 0 1 2002	07/740	. 020	8-15-9
File Information Unit	Art Unit	Examiner	
File information			
•			
		Paper No.	#13
Assistant Commissioner for Patents			
Washington, DC 20231		·	
Thereby request access under 27 OFD 1			
ABANDONED Application, which is not with	(e)(2) to the applica	ation file record of the a	above-identified
Application (CPA) (37 CFR 1.53(d)) and is: (CHECK ONE)	a pending Continued P	rosecution
力(A) referred to in:			
United States Patent Application Publicat	tion No554	1206 nana	lina
United States Patent Number		. column	, IIIIe
an international Application which was file	ed on or after Nove	ember 29, 2000 and wh	.tal.
designates the United States, WIPO P	Pub. No.	20, 2000 and Wr	iicn
(B) referred to in an application that is		, page _	, line
(B) referred to in an application that is open to	o public inspection	as set forth in 37 CFR	1.11(b) or
1.14(e)(2)(i), i.e., Application No	, ра	per No, page	, line
		ď	
Lhoroby		·	
I hereby request access under 37 CFR 1.14(has filed an authorization to lay open the con	(e)(1) to an applica	tion in which the applic	ant
and the con	inhiere application	to the public.	
· de o		·	
Homey Vlery	/	1/1-02	
Signature		Date	
HENRY Duri	•		
Typed or printed name		FOR PTO US	E ONLY
, page of printed harne		Approved by:	an
			initials) P/
Statement: This form is estimated to take 0.2 hours to complete.		Unit	1/20

Burde the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office; Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

US005541206A

United States Patent [19]

Kempf et al.

[11] Patent Number:

5,541,206

[45] Date of Patent:

Jul. 30, 1996

[54] RETROVIRAL PROTEASE INHIBITING COMPOUNDS

- [75] Inventors: Dale J. Kempf, Libertyville; Daniel W. Norbeck, Crystal Lake; Hing Leung Sham; Chen Zhao, both of Gurnee, all
 - of Ill.
- [73] Assignee: Abbott Laboratories, Abbott Park, Ill.
- [21] Appl. No.: 423,387
- [22] Filed: Apr. 25, 1995

Related U.S. Application Data

- [63] Continuation of Ser. No. 158,587, Dec. 2, 1993, abandoned, which is a continuation-in-part of Ser. No. 998,114, Dec. 29, 1992, abandoned, which is a continuation-in-part of Ser. No. 777,626, Oct. 23, 1991, abandoned, which is a continuation-in-part of Ser. No. 746,020, Aug. 15, 1991, abandoned, which is a continuation-in-part of Ser. No. 616,170, Nov. 20, 1990, abandoned, which is a continuation-in-part of Ser. No. 518,730, May 9, 1990, Pat. No. 5,142,056, which is a continuation-in-part of Ser. No. 456,124, Dec. 22, 1989, abandoned, which is a continuation-in-part of Ser. No. 405,604, Sep. 8, 1989, abandoned, which is a continuation-in-part of Ser. No. 355,945, May 23, 1989, abandoned.
- [51] Int. Cl.⁶ A61K 31/425; C07D 413/12; C07D 417/12

[56] References Cited

U.S. PATENT DOCUMENTS

5,354,866	10/1994	Kempf et al.	***************************************	546/265

FOREIGN PATENT DOCUMENTS

346847B1	12/1989	European Pat. Off
393445B2a	10/1990	European Pat. Off
393445B2	10/1990	European Pat. Off
402646B6	12/1990	European Pat. Off

428849B12	5/1991	European Pat. Off.
428849B12a	5/1991	European Pat. Off.
441192B3	8/1991	European Pat. Off
441192B3a	8/1991	European Pat. Off
486948B5	5/1992	European Pat. Off
3829594B1a	3/1990	Germany .
3829594B1	3/1990	Germany .
4003575B4	8/1992	Germany .
4003575B4a	8/1992	Germany .
WO88/		
02374B7	4/1988	WIPO .
WO92/		
00948B9	8/1990	WIPO.
WO90/		,
09191B8a	8/1990	WIPO .
WO90/		
09191B8	8/1990	WIPO .
WO91/		
18866B10	12/1991	WIPO.
WO92/		
06996B11	4/1992	WIPO.
WO92/		
20665B13	11/1992	WIPO.

OTHER PUBLICATIONS

Wade Jr. Organic Chemistry p. 349 1987 by Prentice—Hall, Inc.

Zeffren et al. The Study of Enzyme Mechanism. p. 87. 1974. Shutske et al. J. Med. Chem. 1989. 32. 1805–1813.

Primary Examiner—Jane Fan Attorney, Agent, or Firm—Steven R. Crowley

1/1993 WIPO.

1571

WO93/ 01174B14

ABSTRACT

A retroviral protease inhibiting compound of the formula:

$$R_1 \xrightarrow{R_2} O \xrightarrow{R_3} \xrightarrow{H} X \xrightarrow{R_{4\alpha}} O \xrightarrow{R_6}$$

is disclosed.

19 Claims, No Drawings